

LOCATION NOTI

OR

Established Series  
Rev. PRS-AON-TDT  
10/2002

## NOTI SERIES

The Noti series consists of deep, poorly drained soils that formed in mixed alluvium. These soils are in swales and drainageways on terraces and have slopes of 0 to 3 percent. The mean annual precipitation is 50 inches, and the mean annual temperature is 53 degrees F.

**TAXONOMIC CLASS:** Coarse-loamy over sandy or sandy-skeletal, mixed, superactive, acid, mesic Typic Humaquepts

**TYPICAL PEDON:** Noti loam, pasture. (Colors are for moist soil unless otherwise noted.)

**A--**0 to 9 inches; very dark grayish brown (10YR 3/2) loam, grayish brown (10YR 5/2) dry; common fine faint and distinct gray (10YR 6/1) and strong brown (7.5YR 5/6) mottles; moderate fine granular structure; slightly hard, friable, slightly sticky and plastic; many fine and very fine roots; few very fine tubular and common fine irregular pores; very strongly acid (pH 5.0); clear wavy boundary. (7 to 12 inches thick)

**Bw--**9 to 16 inches; grayish brown (10YR 5/2) loam, light gray (10YR 7/2) dry; many medium faint and distinct light brownish gray (10YR 6/2) and yellowish brown (10YR 5/6) mottles; weak coarse subangular blocky structure; slightly hard, friable, slightly sticky and slightly plastic; common fine and very fine roots; common very fine tubular pores; very strongly acid (pH 4.8); gradual wavy boundary. (5 to 9 inches thick)

**C--**16 to 34 inches; light olive gray (5Y 6/2) fine sandy loam, light gray (10YR 7/2) dry; many medium distinct yellowish brown (10YR 5/6) mottles; massive; hard, very friable, slightly sticky and nonplastic; common very fine roots; common very fine tubular pores; very strongly acid (pH 4.6); clear wavy boundary. (8 to 20 inches thick)

**2C--**34 to 44 inches; pale brown (10YR 6/2) loamy sand, light gray (10YR 7/2) dry; many medium distinct yellowish brown (10YR 5/6, 5/8) mottles; massive; slightly hard, very friable, nonsticky and nonplastic; few very fine roots; common very fine tubular and many fine and medium irregular pores; very strongly acid (pH 4.6); abrupt wavy boundary. (6 to 24 inches thick)

**3C--**44 to 60 inches; variegated gray (10YR 5/2), light brownish gray (10YR 6/2), yellowish brown (10YR 5/8), and yellow (10YR 7/8) very gravelly loamy sand; massive; very hard, very firm, strongly consolidated, nonsticky and nonplastic; 40 percent gravel and 5 percent cobbles; very strongly acid (pH 4.6).

**TYPE LOCATION:** Lane County, Oregon; 0.3 mile northwest of Elmira High School; northwest 1/4 northwest 1/4, sec. 24, T. 17 S., R. 6 W.

**RANGE IN CHARACTERISTICS:** The annual soil temperature ranges from 54 to 56 degrees F. The soil is saturated and has a temporary water table during the winter and spring. Depth to loamy sand ranges from 24 to 36 inches. Depth to the very gravelly horizon ranges from 40 to 60 inches.

The A horizon has value of 2 or 3 moist and 4 or 5 dry.

The Bw horizon has hue of 10YR or 7.5YR, value of 4 or 5 moist, 6 or 7 dry, and chroma of 1 or 2 moist and dry. It is loam or fine sandy loam.

The C horizon has hue of 10YR to 5YR, value of 6 or 7, and chroma of 2 or 3. It commonly is fine sandy loam but ranges to loam and is 10 to 18 percent clay. Mottles are distinct or prominent.

The 2C horizon is 0 to 10 percent gravel.

The 3C horizon is very gravelly loamy sand or very gravelly sandy loam, and is 35 to 60 percent coarse fragments. It is weakly to strongly consolidated.

**COMPETING SERIES:** This is the [Koch](#) series in another family. Koch soils have an umbric epipedon more than 24 inches thick.

**GEOGRAPHIC SETTING:** Noti soils are in swales and narrow drainageways on terraces. Elevations range from 300 to 800 feet. Slopes are 0 to 3 percent. The soils are in a cool and subhumid climate with mean annual precipitation ranging from 40 to 60 inches. The mean January temperature is 40 degrees F, the mean July temperature is 67 degrees F, and the mean annual temperature is 52 to 54 degrees F. The frost-free period is 165 to 210 days.

**GEOGRAPHICALLY ASSOCIATED SOILS:** These are the [Dayton](#), [Holcomb](#), [Linslaw](#), [Natroy](#), [Salkum](#), and [Veneta](#) soils. All of these soils are fine or very-fine textured and all except Natroy soils have an argillic horizon. Natroy soils are very fine-textured and crack to depths of 20 inches or more. Salkum and Veneta soils are well or moderately well drained.

**DRAINAGE AND PERMEABILITY:** Poorly drained; very slow runoff or ponded; slow permeability.

**USE AND VEGETATION:** This soil is used for pasture and forage crops. Native vegetation is Oregon white oak, Oregon ash, rose, hazel, blackberry, sedges, and grasses.

**DISTRIBUTION AND EXTENT:** Southwestern terraces of the Willamette Valley, Oregon. The series is of small extent.

**MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE:** Portland, Oregon

**SERIES ESTABLISHED:** Lane County Area, Oregon, 1981.

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National Cooperative Soil Survey  
U.S.A.